NORTH CAROLINA

Violent Death Reporting System Mecklenburg County 2004 – 2007

March 2010

North Carolina
Injury & Violence
PREVENTION Branch

Division of Public Health

Background and Acknowledgements

The North Carolina Violent Death Reporting System (NC-VDRS) is a CDC-funded state-wide surveillance system that collects detailed information on deaths resulting from violence: homicide, suicide, unintentional firearm deaths, legal intervention, and deaths for which intent could not be determined. NC-VDRS is a multi-source system that gathers information from death certificates, medical examiner reports, and law enforcement reports. The goal of this system is to aid researchers, legislators, and community interest groups in the development of public health prevention strategies to reduce violent deaths. NC-VDRS began collecting data in January, 2004. This document summarizes findings from Mecklenburg County, North Carolina that occurred from 2004 to 2007.

A Statewide Annual Report for 2007 will be completed by summer of 2010. More information can be found at: www.injuryfreenc.ncdhhs.gov/About/ncVDRS.htm.

The task of locating, abstracting, entering, and evaluating the data that are used to create the NC-VDRS is challenging, time-consuming and difficult. The extent and quality of the data in this report are the direct result of the dedication of the NC-VDRS staff: Tammy Norwood, Program Manager, and Susan Autry and Pat Jones, Statistical Research Assistants.

Thanks to Sharon Schiro for the analysis and programming of the NC-VDRS data, and Becca Byrd for the formatting and updating of this report.

Three advisory groups provided assistance to us with this report. The leadership of these advisory groups formed the Board Leadership & Evaluation Team (BLET). Members of the BLET for 2007 were Tamera Coyne-Beasley, Kay Sanford, Phillip J. Cook, Sandra Martin, Steve Marshall, and Anna Waller.

We acknowledge the assistance and on-going support of the N.C. State Center for Health Statistics, the N.C. Office of the Chief Medical Examiner, and the N.C. State Bureau of Investigation, as well as the many local law enforcement agencies throughout N.C. that have provided information to the NC-VDRS.

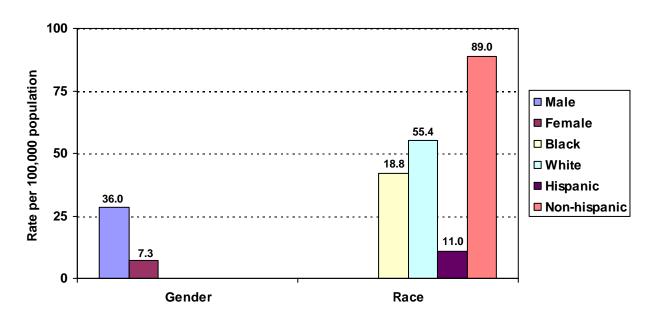
This report was supported in part by Cooperative Agreement Number 5U17CE423098-07 from the Centers for Disease Control and Prevention. Its contents are solely the responsibility of the authors and do not necessarily represent official views of the Centers for Disease Control and Prevention.

SECTION I: OVERALL

Table 1: Ger	nder, Race, and A Mecklenburg C			Victims in	
		Number	%	Rate	CI
Gender					
	Male	459	79.0	28.6	26.0 - 31.2
	Female	122	21.0	7.3	6.0 - 8.6
Race					
	American Indian	1	0.2	*	*
	Asian	8	1.4	6.0	1.8 - 10.2
	Black	245	42.2	25.3	22.1 - 28.5
	White	322	55.4	15.0	13.4 - 16.6
	Other	5	0.9	*	*
Hispanic					
	Hispanic	64	11.0	21.1	15.9 - 26.3
	Non-Hispanic	517	89.0	17.4	15.9 - 18.9
Age Group					
	< 1	5	0.9	9.1	1.1 - 17.1
	1 - 4	5	0.9	2.4	0.3 - 4.5
	5 - 9	5	0.9	2.1	0.2 – 4.0
	10 - 14	6	1.0	2.7	0.6 - 4.8
	15 - 19	42	7.2	19.6	13.7 - 25.5
	20 - 24	99	17.0	47.5	38.1 - 56.9
	25 - 34	129	22.2	25.6	21.2 – 30.0
	35 - 44	121	20.8	21.5	17.7 - 25.3
	45 - 54	87	15.0	18.6	14.7 - 22.5
	55 - 64	46	7.9	14.5	10.3 - 18.7
	65 - 74	23	4.0	15.6	9.2 – 22.0
	75 - 84	6	1.0	6.7	1.3 - 12.1
	85 +	7	1.2	20.7	5.3 - 36.1
Total Deaths		581	100		

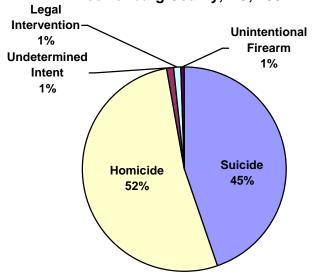
 $^{^{\}star}$ The number of deaths was zero or too small to support the calculation of a rate.

Overall Violent Death Rates by Gender and Race, Mecklenburg County, NC; 2004 - 2007

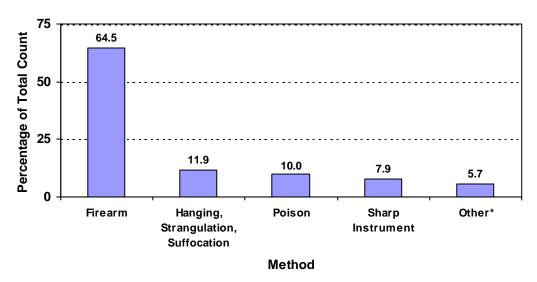


Т	able 2: Manner and Method of Violent D Mecklenburg County, NC; 2004		
		Number	%
Manner of Death			
	Homicide	305	52.5
	Suicide	260	44.8
	Legal Intervention	7	1.2
	Undetermined Intent	6	1.0
	Unintentional Firearm	3	0.5
Method			
	Firearm	375	64.5
	Hanging, Strangulation, Suffocation	69	11.9
	Poisoning	58	10.0
	Sharp Instrument	46	7.9
	Blunt Instrument	10	1.7
	Unarmed Assault	5	0.9
	Fall	5	0.9
	Fire or Burns	4	0.7
	Motor Vehicle	3	0.5
	Drowning	2	0.3
	Other Transport Vehicle	2	0.3
	Violent Shaking	1	0.2
	Unknown	1	0.2
Total Deaths		581	100

Manner of Violent Death, Mecklenburg County, NC; 2004 - 2007



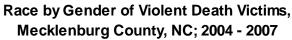
Method of Death for Overall Violent Deaths, Mecklenburg County, NC; 2004 - 2007

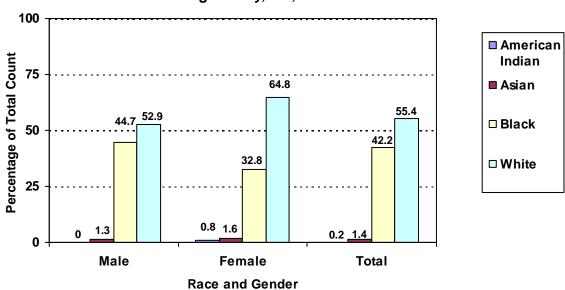


^{*} Other methods include: blunt instruments, unarmed assaults, falls, drowning, fires or burns, violent shaking, motor vehicles, other transport vehicles, intentional neglect and other unspecified methods.

Table 3:	Table 3: Race by Gender of Violent Death Victims in Mecklenburg County, NC; 2004 - 2007										
		Male				Female				Total	
	Number	%	Rate	CI	Number	%	Rate	CI	Number	%	
Race											
American Indian	0	0	*	*	1	0.8	*	*	1	0.2	
Asian	6	1.3	9.0	1.8 - 16.2	2	1.6	*	*	8	1.4	
Black	205	44.7	45.8	39.5 - 52.1	40	32.8	7.7	5.3 - 10.1	245	42.2	
White	243	52.9	22.5	19.7 - 25.3	79	64.8	7.4	5.8 – 9.0	322	55.4	
Other/ Unknown	5	1.1	*	*	0	0	*	*	5	0.9	
Total Deaths	459	100			122	100			581	100	

^{*} The number of deaths was zero or too small to support the calculation of a rate.

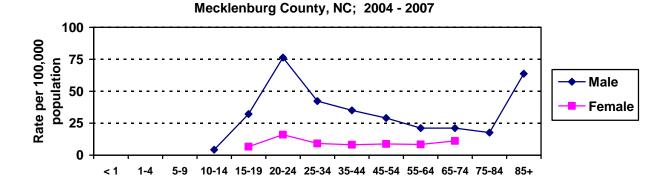




		IV	lale			F	emale		Tota	Total	
	Number	%	Rate	CI	Number	%	Rate	CI	Number	%	
Age Group											
< 1	3	0.7	*	*	2	1.6	*	*	5	0.9	
1 - 4	4	0.9	*	*	1	0.8	*	*	5	0.9	
5 - 9	1	0.2	*	*	4	3.3	*	*	5	0.9	
10 - 14	5	1.1	4.3	0.5 - 8.1	1	0.8	*	*	6	1.0	
15 - 19	35	7.6	32.2	21.5 - 42.9	7	5.7	6.6	1.7 - 11.5	42	7.2	
20 - 24	83	18.1	76.4	60.0 - 92.8	16	13.1	16.0	8.1 - 23.9	99	17.0	
25 - 34	106	23.1	42.3	34.3 - 50.3	23	18.9	9.1	5.4 - 12.8	129	22.2	
35 - 44	98	21.4	35.1	28.1 - 42.1	23	18.9	8.1	4.8 - 11.4	121	20.8	
45 - 54	66	14.4	29.0	22.0 – 36.0	21	17.2	8.7	5.0 - 12.4	87	15.0	
55 - 64	32	7.0	21.2	13.9 - 28.5	14	11.5	8.4	4.0 - 12.8	46	7.9	
65 - 74	14	3.1	21.1	10.0 - 32.2	9	7.4	11.1	3.9 - 18.3	23	4.0	
75 - 84	6	1.3	17.7	3.5 - 31.9	0	0	*	*	6	1.0	
85 +	6	1.3	63.7	12.7 - 114.7	1	0.8	*	*	7	1.2	
Total Deaths	459	100			122	100			581	100	

^{*} The number of deaths was zero or too small to support the calculation of a rate.

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Age Group and Gender

Overall Violent Death Rates by Age Group and Gender of Victims,

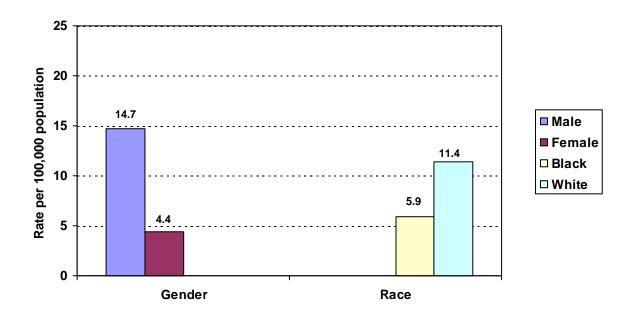
Note: Some values are zero or not available due to low count so the lines appear "broken".

SECTION II: SUICIDE

Table 5: 0	Gender, Race, an Mecklenburg C	d Age Group o County, NC; 20	of Suicide Vid 04 - 2007	ctims in	
		Number	%	Rate	CI
Gender					
	Male	198	76.2	14.7	12.7 - 16.7
	Female	62	23.8	4.4	3.3 - 5.5
Race					
	American Indian	0	0	*	*
	Asian	2	0.8	*	*
	Black	48	18.5	5.9	4.2 - 7.6
	White	209	80.4	11.4	9.9 - 12.9
	Other	1	0.4	*	*
Hispanic					
	Hispanic	17	6.5	7.4	3.9 - 10.9
	Non-Hispanic	243	93.5	9.6	8.4 - 10.8
Age Group					
	10 - 14	4	1.5	*	*
	15 - 19	11	4.2	5.1	2.1 - 8.1
	20 - 24	30	11.5	14.4	9.2 - 19.6
	25 - 34	39	15.0	7.7	5.3 - 10.1
	35 - 44	60	23.1	10.7	8.0 - 13.4
	45 - 54	58	22.3	12.4	9.2 - 15.6
	55 - 64	31	11.9	9.8	6.4 - 13.2
	65 - 74	16	6.2	10.8	5.5 - 16.1
	75 - 84	5	1.9	5.6	0.7 - 10.5
	85 +	6	2.3	17.8	3.6 – 32.0
Total Deaths		260	100		

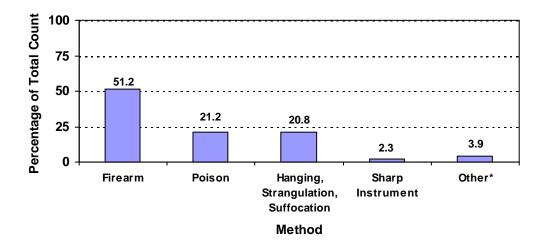
^{*} The number of deaths was zero or too small to support the calculation of a rate.

Suicide Rates by Gender and Race, Mecklenburg County, NC; 2004 - 2007



	e 6: Method of Death for Suicide I Mecklenburg County, NC; 2004 - 2		
		Number	%
Method			
	Firearm	133	51.2
	Poisoning	55	21.2
	Hanging, Strangulation, Suffocation	54	20.8
	Sharp Instrument	6	2.3
	Fall	4	1.5
	Fire or Burns	2	0.8
	Motor Vehicle	2	0.8
	Other Transport Vehicle	2	0.8
	Drowning	1	0.4
	Unknown	1	0.4
Total Deaths		260	100

Method of Death for Suicide Deaths, Mecklenburg County, NC; 2004 - 2007



^{*} Other methods include: blunt instruments, unarmed assaults, fires or burns, motor vehicle, falls, violent shaking, intentional neglect, and other unspecified methods.

Table 7	Table 7: Race by Gender of Suicide Victims in Mecklenburg County, NC; 2004 - 2007									
		IV	lale			Female			Total	
	Number	%	Rate	CI	Number	%	Rate	CI	Number	%
Race										
Asian	1	0.5	*	*	1	1.6	*	*	2	0.8
Black	39	19.7	10.6	7.3 - 13.9	9	14.5	2.0	0.7 - 3.3	48	18.5
White	157	79.3	17.1	14.4 - 19.8	52	83.9	5.7	4.2 - 7.2	209	80.4
Other/ Unknown	1	0.5	*	*	0	0	*	*	1	0.4

^{*} The number of deaths was zero or too small to support the calculation of a rate.

Race by Gender of Suicide Victims, Mecklenburg County, NC; 2004 - 2007

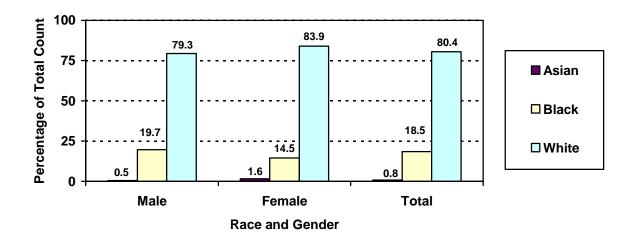
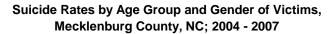
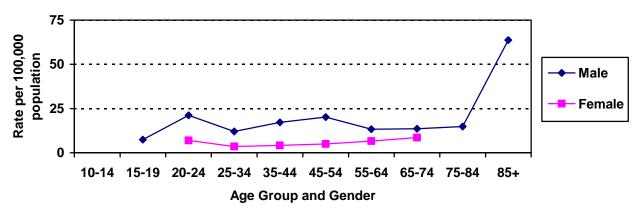


Table	8: Age Gr	oup by	Gende	er of Suicide V	ictims in N	/leckler	nburg Co	unty, NC; 20	04 - 2007	
		N	/lale			F	emale		Total	
	Number	%	Rate	CI	Number	%	Rate	CI	Number	%
Age Group										
10 - 14	3	1.5	*	*	1	1.6	*	*	4	1.5
15 - 19	8	4.0	7.4	2.3 - 12.5	3	4.8	*	*	11	4.2
20 - 24	23	11.6	21.2	12.5 - 29.9	7	11.3	7.0	1.8 - 12.2	30	11.5
25 - 34	30	15.2	12.0	7.7 - 16.3	9	14.5	3.5	1.2 - 5.8	39	15.0
35 - 44	48	24.2	17.2	12.3 - 22.1	12	19.4	4.2	1.8 - 6.6	60	23.1
45 - 54	46	23.2	20.2	14.4 – 26.0	12	19.4	5.0	2.2 - 7.8	58	22.3
55 - 64	20	10.1	13.3	7.5 - 19.1	11	17.7	6.6	2.7 - 10.5	31	11.9
65 - 74	9	4.5	13.6	4.7 - 22.5	7	11.3	8.6	2.2 – 15.0	16	6.2
75 - 84	5	2.5	14.8	1.8 - 27.8	0	0	*	*	5	1.9
85 +	6	3.0	63.7	12.7 - 114.7	0	0	*	*	6	2.3
Total Deaths	198	100			62	100			260	100

^{*} The number of deaths was zero or too small to support the calculation of a rate.



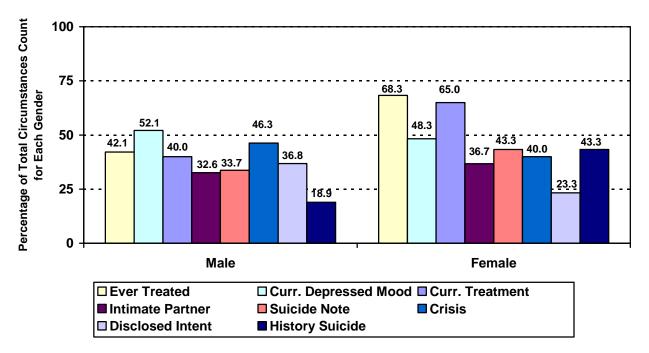


Note: Some values are zero or not available due to low count so the lines appear "broken".

	Ma	le	Fem	ale	Tot	al
	Number	%	Number	%	Number	%
Victim Circumstances						
Current depressed mood	99	52.1	29	48.3	128	51.2
Current treatment for mental illness	76	40.0	39	65.0	115	46.0
Ever treated for mental illness	80	42.1	41	68.3	121	48.4
Alcohol problem	27	14.2	9	15.0	36	14.4
Other substance problem	19	10.0	5	8.3	24	9.6
Left a suicide note	64	33.7	26	43.3	90	36.0
Disclosed intent to commit suicide	70	36.8	14	23.3	84	33.6
History of suicide attempts	36	18.9	26	43.3	62	24.8
Crisis in past two weeks	88	46.3	24	40.0	112	44.8
Physical health problem	31	16.3	13	21.7	44	17.6
Intimate partner problem	62	32.6	22	36.7	84	33.6
Other relationship problem	21	11.1	6	10.0	27	10.8
Job problem	25	13.2	5	8.3	30	12.0
School problem	3	1.6	2	3.3	5	2.0
Financial problem	25	13.2	5	8.3	30	12.0
Suicide of family or friend in past 5 years	6	3.2	1	1.7	7	2.8
Other death of friend/ family	8	4.2	3	5.0	11	4.4
Recent criminal/ legal problem	27	14.2	1	1.7	28	11.2
Other legal problems	7	3.7	0	0	7	2.8
Perpetrator of interpersonal violence in past month	19	10.0	1	1.7	20	8.0
Victim of interpersonal violence in past month	1	0.5	0	0	1	0.4

^{*} Circumstances are only available for 1,000 of the 1,085 suicide deaths where age was ≥ 10. The denominator of the percentage is the total number of suicide victims for each gender category who had circumstance data available. Each suicide victim may have 0 to many circumstances.

Circumstances by Gender for Suicide Victims, Mecklenburg County, NC; 2004 - 2007



^{*} Note: Multiple options are available therefore such responses add up to more than 100%. This figure does not include all circumstances.

Table 10: Mental Illnesses Under Treatment at the Time of Suicide in Mecklenburg County, NC; 2004 - 2007							
	Male	Total					
	Number	Number	Number				
Mental Iliness							
Depression/ Dysthymia	62	34	96				
Bipolar Disorder	10	6	16				
Schizophrenia	2	5	7				
Anxiety Disorder	4	3	7				
Unknown	7	0	7				
Other	3	1	4				
ADD or Hyper-Reactivity Disorder	1	0	1				
Obsessive-Compulsive Disorder	0	1	1				

SECTION III: HOMICIDE

Table 11:	Gender, Race, and Mecklenburg C			victims in	
		Number	%	Rate	CI
Gender					
	Male	248	81.3	15.5	13.6 - 17.4
	Female	57	18.7	3.4	2.5 - 4.3
Race					
	American Indian	1	0.3	*	*
	Asian	6	2.0	4.5	0.9 - 8.1
	Black	190	62.3	19.7	16.9 - 22.5
	White	104	34.1	4.8	3.9 - 5.7
	Other	4	1.3	*	*
Hispanic					
	Hispanic	46	15.1	15.1	10.7 - 19.5
	Non-Hispanic	259	84.9	8.7	7.6 - 9.8
Age Group					
	< 1	5	1.6	9.1	1.1 - 17.1
	1 - 4	5	1.6	2.4	0.3 - 4.5
	5 - 9	5	1.6	2.1	0.2 – 4.0
	10 - 14	2	0.7	*	*
	15 - 19	28	9.2	13.1	8.3 - 17.9
	20 - 24	66	21.6	31.7	24.1 - 39.3
	25 - 34	88	28.9	17.4	13.8 – 21.0
	35 - 44	58	19.0	10.3	7.6 – 13.0
	45 - 54	28	9.2	6.0	3.8 - 8.2
	55 - 64	14	4.6	4.4	2.1 - 6.7
	65 - 74	5	1.6	3.4	0.4 - 6.4
	75 - 84	0	0	*	*
	85 +	1	0.3	*	*
Total Deaths		305	100		

^{*} The number of deaths was zero or too small to support the calculation of a rate.

Homicide Rates by Gender and Race, Mecklenburg County, NC; 2004 - 2007

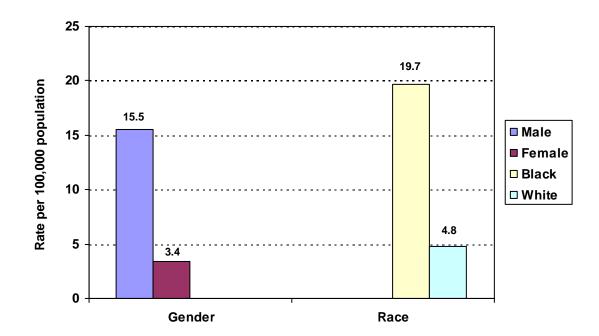
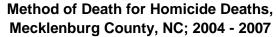
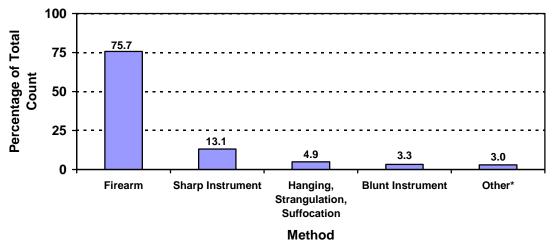


Table	Table 12: Method of Death for Homicide Deaths in Mecklenburg County, NC; 2004 - 2007							
Method		Number	%					
	Firearm	231	75.7					
	Sharp Instrument	40	13.1					
	Hanging, Strangulation, Suffocation	15	4.9					
	Blunt Instrument	10	3.3					
	Unarmed Assault	5	1.6					
	Fire or Burns	2	0.7					
	Motor Vehicle	1	0.3					
	Violent Shaking	1	0.3					
Total Deaths		305	100					





^{*} Other methods include: fires or burns, drowning, motor vehicle, falls, violent shaking, intentional neglect, and other unspecified methods.

Table 13: Race by Gender of Homicide Victims in Mecklenburg County, NC; 2004 - 2007											
		IV	lale			Fen	Total				
	Number	%	Rate	CI	Number	%	Rate	CI	Number	%	
Race											
American Indian	0	0	*	*	1	1.8	*	*	1	0.3	
Asian	5	2.0	7.5	1.0 – 14.0	1	1.8	*	*	6	2.0	
Black	160	64.5	35.7	30.2 - 41.2	30	52.6	5.8	3.7 - 7.9	190	62.3	
White	79	31.9	7.3	5.7 - 8.9	25	43.9	2.3	1.4 - 3.2	104	34.1	
Other/ Unknown	4	1.6	*	*	0	0	*	*	4	1.3	

^{*} The number of deaths was zero or too small to support the calculation of a rate.

Race by Gender of Homicide Victims, Mecklenburg County, NC; 2004 - 2007

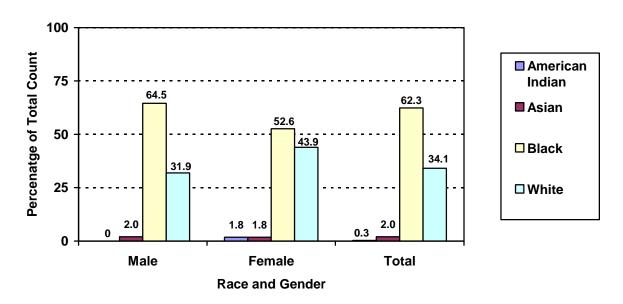
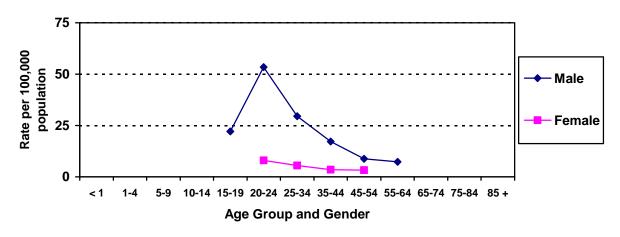


Table 14: Age Group by Gender of Homicide Victims in Mecklenburg County, NC; 2004 - 2007											
				Fe	Total						
	Number	%	Rate	CI	Number	%	Rate	CI	Number	%	
Age Group											
< 1	3	1.2	*	*	2	3.5	*	*	5	1.6	
1 - 4	4	1.6	*	*	1	1.8	*	*	5	1.6	
5 - 9	1	0.4	*	*	4	7.0	*	*	5	1.6	
10 - 14	2	0.8	*	*	0	0	*	*	2	0.7	
15 - 19	24	9.7	22.1	13.3 - 30.9	4	7.0	*	*	28	9.2	
20 - 24	58	23.4	53.4	39.7 - 67.1	8	14.0	8.0	2.4 - 13.6	66	21.6	
25 - 34	74	29.8	29.5	22.8 - 36.2	14	24.6	5.5	2.6 - 8.4	88	28.9	
35 - 44	48	19.4	17.2	12.3 - 22.1	10	17.5	3.5	1.3 - 5.7	58	19.0	
45 - 54	20	8.1	8.8	4.9 - 12.7	8	14.0	3.3	1.0 - 5.6	28	9.2	
55 - 64	11	4.4	7.3	3.0 - 11.6	3	5.3	*	*	14	4.6	
65 - 74	3	1.2	*	*	2	3.5	*	*	5	1.6	
85 +	0	0	*	*	1	1.8	*	*	1	0.3	
Total Deaths	248	100			57	100			305	100	

Homicide Rates by Age Group and Gender of Victims, Mecklenburg County, NC; 2004 - 2007



Note: Some values are zero or not available due to low count so the lines appear "broken".

Table 15: Circumstances of Homicides in Mecklenburg County, NC; 2004 - 2007										
		Number	%							
Event Circumstances										
	Other argument, abuse, or conflict	117	43.5							
	Precipitated by another serious crime	97	36.1							
	Intimate partner violence related	42	15.6							
	Drug Involvement	40	14.9							
	Argument over money or property	15	5.6							
	Jealousy (lovers triangle)	12	4.5							
	Gang related	9	3.3							
	Brawl (mutual physical fight)	1	0.4							
	Mercy killing	1	0.4							
Victim Characteristics										
	Victim used a weapon	34	12.6							
	Justifiable self defense	7	2.6							
	Victim was a bystander	4	1.5							
	Victim was a police officer on duty	2	0.7							
	Intervener assisting a crime victim	1	0.4							

^{*}The denominator of the percentage is the total number of homicide victims who had circumstance data available. Each homicide victim may have anywhere from zero to many circumstances.

Table 16: Crimes Precipitating Homicides in Mecklenburg County, NC; 2004 - 2007											
	Male	Female	Total								
	Number	Number	Number								
Crime											
Robbery	47	5	52								
Drug Trade	22	3	25								
Motor Vehicle Theft	8	3	11								
Rape, Sexual Assault	4	7	11								
Burglary	8	1	9								
Assault, Homicide	3	1	4								
Witness Intimidation/ Elimination	3	0	3								
Gambling	1	0	1								
Other	1	0	1								

Table 17: Type of Weapon by Manner of Death in Mecklenburg County, NC; 2004 - 2007												
	Manner of Death											
Weapon Type	Suicide		Hom	Homicide		Unintentional Firearm		Legal Intervention		Undetermined Intent		otal
	#	%	#	%	#	%	#	%	#	%	#	%
Firearm	133	51.1	231	75.7	3	100.0	7	100.0	1	16.7	375	64.5
Hanging, Strangulation, Suffocation	54	20.8	15	4.9	0	0	0	0	0	0	69	11.9
Poisoning	55	21.1	0	0	0	0	0	0	3	50.0	58	10.0
Sharp Instrument	6	2.3	40	13.1	0	0	0	0	0	0	46	7.9
Blunt Instrument	0	0	10	3.3	0	0	0	0	0	0	10	1.7
Unarmed Assault	0	0	5	1.6	0	0	0	0	0	0	5	0.9
Fall	4	1.5	0	0	0	0	0	0	1	16.7	5	0.9
Fire or Burns	2	0.8	2	0.7	0	0	0	0	0	0	4	0.7
Motor Vehicle	2	0.8	1	0.3	0	0	0	0	0	0	3	0.5
Drowning	1	0.4	0	0	0	0	0	0	1	16.7	2	0.3
Other Transport Vehicle	2	0.8	0	0	0	0	0	0	0	0	2	0.3
Violent Shaking	0	0	1	0.3	0	0	0	0	0	0	1	0.2
Unknown	1	0.4	0	0	0	0	0	0	0	0	1	0.2
Total Deaths	259	100	305	100	3	100	7	100	6	100	581	100

Table 18: Type of Firearm by Manner of Death in Mecklenburg County, NC; 2004 – 2007 For Firearm Deaths Only												
	Manner of Death											
Firearm Type	Suicide		Homicide		Unintentional Firearm		Legal Intervention		Undetermined Intent		Total	
	#	%	#	%	#	%	#	%	#	%	#	%
Handgun	108	81.2	201	87.0	3	100.0	5	71.4	1	100.0	318	84.8
Rifle	10	7.5	14	6.1	0	0	1	14.3	0	0	25	6.7

3.0

3.9

14.3

11.3

Shotgun

Total Deaths

Unknown Firearm Type

5.9

2.7

GLOSSARY

Adult Person was 18 years of age or older on date of death.

Child Person was less than 18 years of age on date of death.

Legal intervention Decedent was killed by a police officer or some other peace officer,

including military police, acting in the line of duty. Includes legal

executions.

Occurrent death Death occurred in NC. Decedent may or may not have been a NC resident at

the time of death.

Peace officer Person with specified legal authority to use deadly force.

Rates Calculated as count x 100,000/population.

Resident death Victim was a NC resident at the time of death and the death occurred in NC.

All deaths reported in this report are resident deaths.

Undetermined intent A death resulting from the use of force or power against oneself or another

person for which the evidence indicating the manner of death was not

sufficient to determine intent.

Violent death Intentional use of physical force or power against oneself, another person, or

against a group or community. Deaths meeting this definition include

suicides, homicides, and legal interventions.







State of North Carolina • Beverly Eaves Perdue, Governor
Department of Health and Human Services
Lanier M. Cansler, Secretary
Division of Public Health • Jeffrey P. Engel, State Health Director
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